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Year: 2016

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## **Checklist of the Dolichopodidae (Diptera, Brachycera) of Turkey**

Tonguç, Alper ; Grichanov, Igor Yakovlevich ; Naglis, Stefan

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DOI: <https://doi.org/10.3906/zoo-1412-23>

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ZORA URL: <https://doi.org/10.5167/uzh-118054>

Journal Article

Published Version

Originally published at:

Tonguç, Alper; Grichanov, Igor Yakovlevich; Naglis, Stefan (2016). Checklist of the Dolichopodidae (Diptera, Brachycera) of Turkey. *Turkish Journal of Zoology*, 40:14-26.

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## Checklist of the Dolichopodidae (Diptera, Brachycera) of Turkey

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Received: 18.12.2014 • Accepted: 05.09.2015 • Published Online 01.01.2016

**Abstract:** The first checklist of the Dolichopodidae of Turkey is presented. A total of 187 species and one subspecies belonging to 35 genera are listed. The type locality and the distribution in Turkey for each species are given.

**Key words:** Diptera, Brachycera, Dolichopodidae, checklist, Turkey

### 1. Introduction

The Dolichopodidae is one of the largest families in Diptera. Approximately 7500 described species and 250 genera are known from the world (Grichanov, 2003–2014). Adults and larvae of dolichopodids are predacious, except for one genus (*Thrypticus*), the larvae of which are known to be phytophagous and living inside stems of cereal grasses. Some genera (*Medetera*, *Neurigona*) are known to be associated with tree trunks where their larvae are predaceous mainly on bark beetles (Coleoptera).

The first contribution to the fauna of Dolichopodidae of Turkey was made by Loew (1850, 1857), who described 5 new species and recorded several more known species from the environs of İstanbul, İzmir, and probably adjacent areas of “Asia Minor”. We have found only sparse references published later with new records of Turkish Dolichopodidae (Becker, 1917–1918; Parent, 1927; Hollis, 1963), and until recently only 21 species were known from this country (Negrobov, 1991). Important works on Turkish Dolichopodidae have been published during the last decade and include those of Olejníček (2004), Pârnu and Popescu-Mirceni (2006), and Popescu-Mirceni and Pârnu (2009), but the main contributions to the fauna of long-legged flies of Turkey have been made by the authors of this paper since 2007 (see reference list).

### 2. Materials and methods

The checklist of Turkish Dolichopodidae is based on an intensive treatment of the old and recent literature. The authors have included some synonymic names used only in the Turkish references. Several errors and misprintings

of previous lists are here corrected. Type localities are provided and Turkish provinces and geographical areas are arranged alphabetically.

### 3. Results

#### I. Subfamily Diaphorinae

##### Genus *Argyra* Macquart, 1834

##### 1. *Argyra argyria* (Meigen, 1824)

*Porphyrops argyria* Meigen, 1824: Syst. Besch. 4: 46. Type locality: not given [probably Aachen].

Distribution in Turkey: Afyonkarahisar, Kütahya, Uşak (Tonguç et al., 2013).

##### 2. *Argyra diaphana* (Fabricius, 1775)

*Musca diaphana* Fabricius, 1775: Syst. Ent. 1775: 783.

Type locality: Germany: Lipsie [=Leipzig].

Distribution in Turkey: Edirne (Sultaniçe) (Grichanov and Tonguç, 2010a).

##### 3. *Argyra leucocephala* (Meigen, 1824)

*Porphyrops leucocephala* Meigen, 1824: Syst. Besch. 4:

49. Type locality: not given.

Distribution in Turkey: Adıyaman, Antalya (Olejníček, 2004).

##### 4. *Argyra vestita* (Wiedemann, 1817)

*Dolichopus vestita* Wiedemann, 1817: Zool. Mag. 1(1):

75. Type locality: Germany: “bei-Kiel”.

Distribution in Turkey: Kars, Van (Naglis, 2010a).

##### Genus *Asyndetus* Loew, 1869

##### 5. *Asyndetus connexus* (Becker, 1902)

*Meringopherusa connexa* Becker, 1902: Mitt. zool. Mus. Berlin 2(2): 57. Type locality: Egypt: “Alexandrien, Kairo, Suez, Fayūm, Siala, Birket-el Karun”.

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- Distribution in Turkey: Van (Erciş) (Naglis, 2010a).
6. *Asyndetus latifrons* (Loew, 1857)  
*Diaphorus latifrons* Loew, 1857: Progr. Realsch. Meseritz 1857: 46. Type locality: Poland: "Schleisen".  
 Distribution in Turkey: Aydın (Efes, Buharkent), Denizli (Koruçuk), Muğla (Ortaca – Dalaman Stream), Adapazarı, Zonguldak (Pârvu and Popescu-Mirceni, 2006; Popescu-Mirceni and Pârvu, 2009; Grichanov, 2013).
- Genus *Chrysotus* Meigen, 1824**
7. *Chrysotus albibarbus* Loew, 1857  
*Chrysotus albibarbus* Loew, 1857: Progr. Realsch. Meseritz 1857: 50. Type locality: Turkey ("Kleinasien").  
 Distribution in Turkey: Anatolia (Loew, 1857; Grichanov et al., 2007).
8. *Chrysotus alpicola* Strobl, 1893  
*Chrysotus alpicola* Strobl, 1893: Mitt. naturw. Ver. Steierm. 29: 144. Type locality: Austria: Kalbling, Natterriegel [= near Admont].  
*Chrysotus nigerrimus* Becker, 1918: N. Acta Acad. Leop., Halle, 104: 57. Type locality: Turkey: "Agaboz".  
 Distribution in Turkey: not given [Becker, 1918 ("Agaboz", as *Chrysotus nigerrimus*); Negrobov, 1991].  
*Remark.* The alpine species *Ch. alpicola* is known from the Alps of Austria. All the other distribution data are questionable and we doubt that all belong to *Ch. alpicola*. Recently, Naglis (2010b) examined the types of *Ch. alpicola* while describing a similar new species, *C. dischmaensis*, from the Swiss Alps, and the record of *Ch. alpicola* for Switzerland probably belongs to *C. dischmaensis*.
9. *Chrysotus angulicornis* Kowarz, 1874  
*Chrysotus angulicornis* Kowarz, 1874: Verh. zool.-bot. Ges. Wien 24. Type locality: Austria: Salzburg, Innsbruck.  
 Distribution in Turkey: Antalya, Erzurum, Hakkari, Kars (Tonguç et al., 2009; Naglis, 2010a).
10. *Chrysotus cilipes* Meigen, 1824  
*Chrysotus cilipes* Meigen, 1824: Syst. Besch. 4: 41. Type locality: Germany: Hamburg.  
 Distribution in Turkey: Artvin, Rize (Grichanov et al., 2007).
11. *Chrysotus dorli* Negrobov, 1980  
*Chrysotus dorli* Negrobov, 1980: Ent. Obozr. 59 (2): 417. Type locality: Tajikistan: Varzob Valley, Kondara Gorge.  
 Distribution in Turkey: Adıyaman, Konya (Beyşehir) (Naglis, 2010a).
12. *Chrysotus femoratus* Zetterstedt, 1843  
*Chrysotus femoratus* Zetterstedt, 1843: Dipt. Scand. 2: 483. Type locality: Denmark: Amager.  
 Distribution in Turkey: Erzurum, Hakkari (Naglis, 2010a).
13. *Chrysotus glebi* Negrobov & Maslova, 1995  
*Chrysotus glebi* Negrobov & Maslova, 1995: Ent. Obozr. 74 (2): 458. Type locality: Russia: Primorye, Ussuri Reserve.
- Distribution in Turkey: Rize (Naglis, 2010a).
14. *Chrysotus gramineus* (Fallén, 1823)  
*Dolichopus gramineus* Fallén, 1823: Monogr. Dolichop. Svec.: 19. Type locality: not given [Sweden].  
 Distribution in Turkey: Hakkari, Erzurum, Kars (Naglis, 2010a).
15. *Chrysotus laesus* (Wiedemann, 1817)  
*Dolichopus laesus* Wiedemann, 1817: Zool. Mag. (Wied.) 1(1): 75. Type locality: Germany: Kiel.  
 Distribution in Turkey: Kars (Naglis, 2010a).
16. *Chrysotus obscuripes* Zetterstedt, 1838  
*Chrysotus obscuripes* Zetterstedt, 1838: Ins. lappon.: 705. Type locality: Sweden: Lapponica Umensi, Fredrica.  
 Distribution in Turkey: Erzurum, Kars (Grichanov et al., 2007; Naglis, 2010a).
17. *Chrysotus pennatus* Lichtwardt, 1902  
*Chrysotus pennatus* Lichtwardt, 1902: Természetr. Füzet., 25: 197. Type locality: Yugoslavia: Novi.  
 Distribution in Turkey: Antalya (Grichanov, 2007b).
18. *Chrysotus pulchellus* Kowarz, 1874  
*Chrysotus pulchellus* Kowarz, 1874: Verh. zool.-bot. Ges. Wien 24: 461. Type locality: Austria; Hungary; Germany.  
 Distribution in Turkey: Adapazarı (Grichanov and Tonguç, 2010a).
19. *Chrysotus suavis* Loew, 1857  
*Chrysotus suavis* Loew, 1857: Progr. Realsch. Meseritz 1857: 49. Type locality: Germany: "Cöln"; Austria: "Neusiedler See in Ungarn".  
 Distribution in Turkey: Adıyaman, Antalya (Kızıldere), Antakya, Artvin, Gaziantep, Şanlıurfa (Olejníček, 2004; Pârvu and Popescu-Mirceni, 2006; Grichanov, 2007b; Grichanov et al., 2007; Naglis, 2010a).
- Genus *Diaphorus* Meigen, 1824**
20. *Diaphorus baechlii* Naglis, 2010  
*Diaphorus baechlii* Naglis, 2010: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 83: 181. Type locality: Turkey, "Varegös".  
 Distribution in Turkey: Hakkari (Varegös) (Naglis, 2010a).
21. *Diaphorus graecus* Parent, 1932  
*Diaphorus graecus* Parent, 1932: Stettin. ent. Ztg. 93: 228. Type locality: "Greece".  
 Distribution in Turkey: Antalya (Grichanov and Tonguç, 2010a).
22. *Diaphorus gredleri* Mik, 1881  
*Diaphorus gredleri* Mik, 1881: Verh. zool.-bot. Ges. Wien 30: 356. Type locality: Italy: "Calvarienberge bei Bozen [=Bolzano] in Südtirol".  
 Distribution in Turkey: Kars (Naglis, 2010a).
23. *Diaphorus hoffmannseggii* Meigen, 1830  
*Diaphorus hoffmannseggii* Meigen, 1830: Syst. Besch. 6: 360. Type locality: not given.

Distribution in Turkey: Zonguldak (Grichanov and Tonguç, 2010b).

24. *Diaphorus pilitibius* Negrobov et Maslova, 2005

*Diaphorus pilitibius* Negrobov et Maslova, 2005: Vestnik zoologii 39(6): 77. Type locality: Russia: North Caucasus, Krasnodar Terr., Solokh-Aul.

Distribution in Turkey: Sakarya (Grichanov and Tonguç, 2010b).

25. *Diaphorus varifrons* Becker, 1918

*Diaphorus varifrons* Becker, 1918: N. Acta Acad. leop., Halle, 104: 46. Type locality: Tunisia: "Bel-Mehtia".

Distribution in Turkey: Muğla (Grichanov et al., 2007).

26. *Diaphorus vitripennis* Loew, 1859

*Diaphorus vitripennis* Loew, 1859: Progr. Realsch. Meseritz 1859: 21. Type locality: not given.

Distribution in Turkey: Aydın (Buharkent), Kars (Popescu-Mirceni and Pârvu, 2009; Naglis, 2010).

27. *Diaphorus winthemi* Meigen, 1824

*Diaphorus winthemi* Meigen, 1824: Syst. Besch. 4: 34. Type locality: not given.

Distribution in Turkey: Zonguldak (Grichanov and Tonguç, 2010a).

## II. Subfamily Dolichopodinae

Genus *Dolichopus* Latreille, 1797

28. *Dolichopus austriacus* Parent, 1927

*Dolichopus austriacus* Parent, 1927: Enc. ent. Dipt. (B II) 4: 51. Type locality: Austria: Gmunden.

Distribution in Turkey: Afyonkarahisar, Hakkari (Tonguç and Barlas, 2011; Naglis, 2011).

29. *Dolichopus calinotus* Loew, 1871

*Dolichopus calinotus* Loew, 1871: Besch. eur. Dipt. 2: 264. Type locality: "Galizien".

Distribution in Turkey: Afyonkarahisar (Tonguç and Barlas, 2011).

30. *Dolichopus campestris* Meigen, 1824

*Dolichopus campestris* Meigen, 1824: Syst. Besch. 4: 78. Type locality: not given.

Distribution in Turkey: Erzurum, Kars (Naglis, 2011).

31. *Dolichopus cilifemoratus* Macquart, 1827

*Dolichopus cilifemoratus* Macquart, 1827: Rec. Trav. Soc. Amat. Sci. Agric. Arts Lille 1826-1827: 275. Type locality: not given [North France].

Distribution in Turkey: Muğla, Rize (Pârvu and Popescu-Mirceni, 2006; Grichanov et al., 2007).

*Remark.* The records of *D. cilifemoratus* from Turkey need confirmation because they are based on females.

32. *Dolichopus cinctipes* Wahlberg, 1850

*Dolichopus cinctipes* Wahlberg, 1850: Öfvers. K. VetenskAkad. Förh. 7: 222. Type locality: Sweden: Rubo Chamaemaemoro, Gaskovio, Quickjock, Njunnas.

Distribution in Turkey: Erzurum, Kars (Naglis, 2011).

*Remark.* A record of the species by Grichanov (2007b) from the Kaçkar Mountains belongs to *Dolichopus zaitzevi* Grichanov, 2012.

33. *Dolichopus diadema* Haliday, 1832

*Dolichopus diadema* Haliday, 1832: Zool. J. Lond. 1830-1831 5: 361. Type locality: Ireland: Holywood.

Distribution in Turkey: Muğla (Pârvu and Popescu-Mirceni, 2006; Grichanov, 2007a; Grichanov et al., 2007).

34. *Dolichopus excisus* Loew, 1859

*Dolichopus excisus* Loew, 1859: Programm K. Realschule Meseritz 1859: 10. Type locality: Germany: "in allen Theilen Deutschlands".

Distribution in Turkey: Antalya, Burdur, Muğla (Negrobov, 1991 [locality not given]; Pârvu and Popescu-Mirceni, 2006; Grichanov et al., 2007).

35. *Dolichopus griseipennis* Stannius, 1831

*Dolichopus griseipennis* Stannius, 1831: Isis 1831: 49. Type locality: France: "Lyon".

Distribution in Turkey: Burdur, Anatolia, Muğla, Sinop (Loew, 1857; Grichanov et al., 2007; Popescu-Mirceni and Pârvu, 2009).

36. *Dolichopus immaculatus* Becker, 1909

*Dolichopus immaculatus* Becker, 1909: Wien. ent. Ztg. 28(9/10): 323. Type locality: France: Dauphine.

Distribution in Turkey: Antalya (Pârvu and Popescu-Mirceni, 2006).

37. *Dolichopus latilimbatus* Macquart, 1827

*Dolichopus latilimbatus* Macquart, 1827: Recl. Trav. Soc. Amat. Sci. Agric. Arts Lille 1826/1827: 277. Type locality: not given ["Nord de France"].

Distribution in Turkey: Kocaeli-İzmit (Grichanov et al. 2007).

38. *Dolichopus lepidus* Staeger, 1842

*Dolichopus lepidus* Staeger, 1842: Naturhist. Tidsskr. 4: 36. Type locality: Denmark: Slutningen, ved Leersøen.

Distribution in Turkey: Kars (Naglis, 2011).

39. *Dolichopus longitarsis* Stannius, 1831

*Dolichopus longitarsis* Stannius, 1831: Isis 1831: 124. Type locality: Germany: Hamburg.

Distribution in Turkey: Kars (Naglis, 2011).

40. *Dolichopus nubilus* Meigen, 1824

*Dolichopus nubilus* Meigen, 1824: Syst. Besch. 4: 96. Type locality: not given.

Distribution in Turkey: Kırklareli (Tonguç et al., 2009).

41. *Dolichopus pennatus* Meigen, 1824

*Dolichopus pennatus* Meigen, 1824: Syst. Besch. 4: 90. Type locality: not given.

Distribution in Turkey: Kars (Naglis, 2011).

42. *Dolichopus perversus* Loew, 1871

*Dolichopus perversus* Loew, 1871: Besch. eur. Dipt. 2: 255. Type locality: Tajikistan: Zaravshan Thal, Turkestan [=Zeravshan valley].

Distribution in Turkey: Antalya (Grichanov, 2007b).

43. *Dolichopus picipes* Meigen, 1824

*Dolichopus picipes* Meigen, 1824: Syst. Besch. 4: 76. Type locality: not given.

Distribution in Turkey: Tuz Lake, Kars (Olejníček, 2004 [female only]; Naglis, 2011).

**44. *Dolichopus plumipes* (Scopoli, 1763)**

*Musca plumipes* Scopoli, 1763: Ent. carniol.: 334. Type locality: [Slovenia]: “Carnioliae indigena”.

Distribution in Turkey: Van (Tuz Lake), Kaçkar Mountains, Rize (Olejníček, 2004 [female only]; Grichanov, 2007b; Naglis, 2011).

**45. *Dolichopus sabinus* Haliday, 1838**

*Dolichopus sabinus* Haliday, 1838: Ann. nat. Hist. 2(8): 184. Type locality: Ireland: Killarney, Tarbert.

Distribution in Turkey: Antalya (Grichanov et al., 2007).

**46. *Dolichopus salictorum* Loew, 1871**

*Dolichopus salictorum* Loew, 1871: Besch. eur. Dipt. 2: 267. Type locality: Czech: “in der Nähe des Alverters, Schlesien”.

Distribution in Turkey: Adıyaman (Naglis, 2011).

**47. *Dolichopus signifer* Haliday, 1838**

*Dolichopus signifer* Haliday, 1838: Ann. Nat. Hist. 2 (9): 184. Type locality: Ireland: Roundstone Bay.

Distribution in Turkey: Burdur (Pârvu and Popescu-Mirceni, 2006; Grichanov et al., 2007).

**48. *Dolichopus simplex* Meigen, 1824**

*Dolichopus simplex* Meigen, 1824: Syst. Besch. 4: 85. Type locality: Germany: Hamburg, Kiel.

Distribution in Turkey: Erzurum, Hakkari, Kars (Naglis, 2011).

**49. *Dolichopus strigipes* Verrall, 1875**

*Dolichopus strigipes* Verrall, 1875: Ent. Mon. Mag. 12: 143. Type locality: England: Fawley in Hampshire.

Distribution in Turkey: Artvin (Grichanov et al., 2007).

**50. *Dolichopus subpennatus* d'Assis Fonseca, 1976**

*Dolichopus subpennatus* d'Assis Fonseca, 1976: Ent. Mon. Mag. 111: 23. Type locality: UK: Inverness-shire, Spey Bridge.

Distribution in Turkey: Bolu (Grichanov and Tonguç, 2010b).

**51. *Dolichopus thalhammeri* Knezy, 1929**

*Dolichopus thalhammeri* Knezy, 1929: Folia Soc. Ent. Hung. 2(1): 19. Type locality: Hungary: Dabas; Bulgaria.

Distribution in Turkey: Antalya (Grichanov et al., 2007).

**52. *Dolichopus unguulatus* (Linnaeus, 1758)**

*Musca unguulata* Linnaeus, 1758: Syst. Nat. (Ed.10) 1: 598. Type locality: Europe.

Distribution in Turkey: Rize (Naglis, 2011).

**53. *Dolichopus zaitzevi* Grichanov, 2012**

*Dolichopus zaitzevi* Grichanov, 2012: Caucasian Entomological Bull. 8(2): 316–318. Type locality: NE Turkey: Kaçkar Mountains, N slope, lakeshore.

*Dolichopus cinctipes* Wahlberg, 1850: Grichanov, 2007b: 144, misidentification.

Distribution in Turkey: Kaçkar Mountains (Grichanov, 2012a).

**Genus *Gymnopternus* Loew, 1857**

**54. *Gymnopternus angustifrons* (Staeger, 1842)**

*Dolichopus angustifrons* Staeger, 1842: Naturhist. Tidsskr. 4: 44. Type locality: Denmark: “Flere Hanner paa Valdplanter”.

Distribution in Turkey: Kars (Naglis, 2011).

**55. *Gymnopternus assimilis* (Staeger, 1842)**

*Dolichopus assimilis* Staeger, 1842: Naturhist. Tidsskr. 4: 41. Type locality: not given [Denmark].

Distribution in Turkey: Hakkari (Naglis, 2011).

**56. *Gymnopternus blankaartensis* (Pollet, 1990)**

*Hercostomus (Gymnopterus) blankaartensis* Pollet 1990: Syst. Ent. 15: 374. Type locality: Belgium: West Flanders, Woumen, De Blankaart Nature Reserve.

Distribution in Turkey: Adıyaman (Naglis, 2011).

**57. *Gymnopternus celer* (Meigen, 1824)**

*Dolichopus celer* Meigen, 1824: Syst. Besch. 4: 84. Type locality: not given.

Distribution in Turkey: Çanakkale (Grichanov and Tonguç, 2010a).

**Genus *Hercostomus* Loew, 1857**

**58. *Hercostomus apollo* (Loew, 1869)**

*Gymnopternus apollo* Loew, 1869: Besch. eur. Dipt. 1: 279. Type locality: “Parnass, Griechenland” [Greece].

Distribution in Turkey: Toros Mountains (Becker, 1917; Grichanov et al., 2007).

**59. *Hercostomus chetifer* (Walker, 1849)**

*Porphyrops chetifer* Walker, 1849: List Dipt. brit. Mus. 3: 653. Type locality: England.

Distribution in Turkey: Antalya (Olejníček, 2004).

**60. *Hercostomus conformis* (Loew, 1857)**

*Gymnopternus conformis* Loew, 1857: Progr. Realsch. Meseritz 1857: 16. Type locality: Poland: Glogau [= Glogow].

*Hercostomus chaerophylli* Verrall, 1904: Ent. Mont. Mag. 15: 244 et auctores (misident., nec Meigen, 1824) [Parent, 1938: Faune de France 35: 161].

Distribution in Turkey: Erzurum, Kars (Naglis, 2011 [as *Hercostomus chaerophylli*]).

*Remarks.* *H. conformis* was in error placed in synonymy with *H. chalybeus* (Wiedemann, 1817) by Negrobov (1991: Catal. palaearct. Dipt. 7: 84), but was restored by Brooks and Wheeler (2005). The true *H. chaerophylli* (Meigen, 1824) is a synonym of *H. germanus* (Wiedemann, 1817) (e.g., Parent, 1925; Collin, 1940; Chandler, 1998).

**61. *Hercostomus convergens* (Loew, 1857)**

*Gymnopternus convergens* Loew, 1857: Progr. Realsch. Meseritz 1857: 17. Type locality: Italy; Austria.

Distribution in Turkey: Kars, Muğla (Pârvu and Popescu-Mirceni, 2006; Naglis, 2011).

62. *Hercostomus costatus* (Loew, 1857)  
*Gymnopternus costatus* Loew, 1857: Progr. Realsch. Meseritz 1857: 19. Type locality: Turkey ("Kleinasien").  
 Distribution in Turkey: Anatolia (Loew, 1857; Negrobov, 1991).
63. *Hercostomus fulvicaudis* (Walker, 1851)  
*Sybistroma fulvicaudis* Walker, 1851. Ins. brit. 1(1): 154.  
 Type locality: not given.  
 Distribution in Turkey: Afyonkarahisar, Kütahya (Tonguç and Barlas, 2011).
64. *Hercostomus gracilis* (Stannius, 1831)  
*Dolichopus gracilis* Stannius, 1831: Isis 1831: 255. Type locality: France: Paris.  
 Distribution in Turkey: Aydın, Burdur (Grichanov et al., 2007).
65. *Hercostomus griseifrons* Becker, 1910  
*Hercostomus griseifrons* Becker, 1910: Dtsch. ent. Z. 1910 (6): 649. Type locality: France: Corsica.  
 Distribution in Turkey: Kütahya, Uşak (Tonguç et al., 2013).
66. *Hercostomus libanicola* Parent, 1933  
*Hercostomus libanicola* Parent, 1933: Ann. Soc. Sci. Brux. (B) 53: 77. Type locality: Lebanon ("Nord du liban, Recharre").  
 Distribution in Turkey: Çanakkale (Tonguç et al., 2010).
67. *Hercostomus longiventris* (Loew, 1857)  
*Sybistroma longiventris* Loew, 1857: Programm K. Realschule Meseritz 1857: 9. Type locality: Austria: Mürrzuschlag.  
 Distribution in Turkey: Artvin, Muğla (Grichanov et al., 2007).
68. *Hercostomus nanus* (Macquart, 1827)  
*Dolichopus nanus* Macquart, 1827: Mem. Soc. Sci. Agric. Lille 1826/1827: 66. Type locality: France.  
*Gymnopternus angustus* Loew, 1857: Progr. Realsch. Meseritz 1857: 17. Type locality: Turkey: "Kleinasien".  
 Distribution in Turkey: Muğla (Loew, 1857 [as *Gymnopternus angustus*], Grichanov et al., 2007).
69. *Hercostomus nigrilamellatus* (Macquart, 1827)  
*Dolichopus nigrilamellatus* Macquart, 1827: Mem. Soc. Sci. Agric. Lille 1826/1827: 60. Type locality: not given [North France].  
 Distribution in Turkey: Bolu (Grichanov and Tonguç, 2010a).
70. *Hercostomus phoebus* Parent, 1927  
*Hercostomus phoebus* Parent, 1927: Ann. Soc. ent. France 96: 230. Type locality: Turkey: Angora, Anatolia.  
 Distribution in Turkey: Ankara, Antalya, Burdur, Muğla (Parent, 1927; Hollis, 1963; Grichanov et al., 2007).
71. *Hercostomus rusticus* (Meigen, 1824)  
*Dolichopus rusticus* Meigen, 1824: Syst. Besch. 4: 77. Type locality: not given.  
 Distribution in Turkey: Rize (Naglis, 2011).
- Genus *Ortochile* Latreille, 1809**  
 72. *Ortochile nigrocoerulea* Latreille, 1809  
*Ortochile nigrocoerulea* Latreille, 1809: Gen. Crust. Ins. 4: 289. Type locality: France "Paris".  
*Ortochile unicolor* Loew, 1850: Ent. Ztg. (Stettin) 11: 344. Type locality: "Kleinasien, bei Ephesus, Griechenland, Dalmatien, Oestereich" [Turkey, Greece, Croatia, Austria].  
 Distribution in Turkey: Aydın, İzmir [Loew, 1850 ("Kleinasien, bei Ephesus", as *Ortochile unicolor*); Parent, 1927 ("Constantinopel"); Grichanov et al., 2007].
- Genus *Poecilobothrus* Mik, 1878**  
 73. *Poecilobothrus basilicus* (Loew, 1869)  
*Gymnopternus basilicus* Loew, 1869. Besch. Eur. Dipt. 1: 277. Type locality: Italy "Sicily".  
 Distribution in Turkey: Adıyaman (Naglis, 2011).
74. *Poecilobothrus bigoti* Mik, 1883  
*Poecilobothrus bigoti* Mik, 1883: Wien. Ent. Ztg. 2: 88. Type locality: "not given".  
 Distribution in Turkey: Van (Naglis, 2011).
75. *Poecilobothrus caucasicus* (Stackelberg, 1934)  
*Hercostomus caucasicus* Stackelberg, 1934 Flieg. Palaearkt. Reg. 4(5): 133. Type locality: "Caucacus: Amgata, Kuban-Gebiet; Fluß Kluchor, Suchum-Distr.; Berg Maruch bei Tas'halta, Suchum-Distr.; Station Kobi, Gouv. Tiflis; Armenien".  
 Distribution in Turkey: Artvin, Rize (Grichanov et al., 2007 [as *Hercostomus caucasicus*]; Naglis 2011).
76. *Poecilobothrus chrysozygos* (Wiedemann, 1817)  
*Dolichopus chrysozygos* Wiedemann, 1817. Zool. Mag. 1(1): 71. Type locality: Germany "probably Aachen".  
 Distribution in Turkey: Kırklareli (Tonguç et al., 2009).
77. *Poecilobothrus comitalis* (Kowarz, 1867)  
*Gymnopternus comitalis* Kowarz, 1867. Verh. Zool.-Bot. Ges. Wien. 17: 320. Type locality: Czech "Lučenec".  
 Distribution in Turkey: locality not given (Negrobov, 1991).
78. *Poecilobothrus principalis* (Loew, 1861)  
*Gymnopternus principalis* Loew, 1861: Wien. ent. Mschr. 5(5): 166. Type locality: Poland: Meseritz [=Miedzyrzecz]; Netherlands.  
 Distribution in Turkey: Kütahya (Tonguç et al., 2013).
79. *Poecilobothrus regalis* (Meigen, 1824)  
*Dolichopus regalis* Meigen, 1824. Syst. Besch. 4: 75. Type locality: not given.  
 Distribution in Turkey: Adıyaman, Antalya (Kızıldere), Burdur, Denizli, Isparta, Kars, Muğla (Pârvu and Popescu-Mirceni, 2006, Grichanov et al., 2007, Naglis, 2011).
80. *Poecilobothrus varicoloris* (Becker, 1917)  
*Hercostomus varicoloris* Becker, 1917. Nova Acta Acad. Caesar. Leop. Carol. 102 (2): 238. Type locality: "Kaukasus, Ostküste des Schwarzen Meeres" [Russia or Georgia].

Distribution in Turkey: Artvin (Grichanov et al., 2007 [as *Hercostomus varicoloris*]).

81. *Poecilobothrus varicoloris flavifemoratus* Grichanov & Tonguç, 2010

*Poecilobothrus varicoloris flavifemoratus* Grichanov & Tonguç, 2010: Int. J. Dipterological Research 21 (3): 225–229. Type locality: Turkey: Bolu.

Distribution in Turkey: Bolu (Grichanov and Tonguç, 2010b).

**Genus *Sybistroma* Meigen, 1824**

82. *Sybistroma crinipes* Staeger, 1842

*Sybistroma crinipes* Staeger, 1842: Naturh. Tidsskr. 4:6. Type locality: Denmark: “Ellomosen, Charlottenlund”.

Distribution in Turkey: Uşak (Tonguç and Barlas, 2011).

83. *Sybistroma discipes* (Germar, 1817)

*Dolichopus discipes* Germar, 1817. Fauna Ins. Eur. 4: taf. 24. Type locality: Germany: “Hamburg”.

Distribution in Turkey: Bursa, Çanakkale (Tonguç et al., 2009).

84. *Sybistroma impar* (Rondani, 1843)

*Ludovicus impar* Rondani, 1843. Nuovi. Ann. Sci. Nat. Ist. Bologna (1) 10: 43. Type locality: Italy.

Distribution in Turkey: Adıyaman, Antalya (Grichanov et al., 2007, Naglis, 2011).

85. *Sybistroma lorifer* (Mik, 1878)

*Hercostomus lorifer* Mik, 1878. Jber. K. K. Akad. Gymn. Wien 1877/1878: 11. Type locality: Italy “Calabrien”.

Distribution in Turkey: Uşak (Tonguç and Barlas, 2011).

86. *Sybistroma nodicornis* Meigen, 1824

*Sybistroma nodicornis* Meigen, 1824: Syst. Besch. 4: 72. Type locality: not given.

Distribution in Turkey: Afyonkarahisar, Uşak (Tonguç and Barlas, 2011).

87. *Sybistroma obscurellum* (Fallén, 1823)

*Dolichopus obscurellus* Fallén, 1823: Monogr. Dolichopod. Svec.: 13. Type locality: Sweden: “Esperöd Scan”.

Distribution in Turkey: Bursa, Çanakkale, Kırklareli (Tonguç et al., 2009).

88. *Sybistroma occidasiatica* Grichanov & Kazerani, 2014

*Sybistroma occidasiatica* Grichanov & Kazerani, 2014: Zootaxa 3866 (4): 572–582. Type locality: Turkey: [Antalya reg.] near Manavgat.

Distribution in Turkey: Antalya (Grichanov and Kazerani, 2014).

89. *Sybistroma schachti* Naglis, 2011

*Sybistroma schachti* Naglis, 2011: Mitteilungen der Schweizerischen Entomologischen Gesellschaft 84: 23–33. Type locality: Turkey “Hakkari”.

Distribution in Turkey: Hakkari (Naglis, 2011).

90. *Sybistroma sphenopterum* (Loew, 1859)

*Hypophyllus sphenopterus* Loew, 1859. Programm K. Realschule Meseritz 1859: 2. Type locality: “bei Wien; Schlesien; Harz” [Austria; Poland; Germany].

Distribution in Turkey: Çanakkale, Kars (Tonguç et al., 2009; Naglis, 2011).

91. *Sybistroma transcausicum* (Stackelberg, 1941)

*Ludovicus transcausicus* Stackelberg, 1941. Flieg. Palaearkt. Reg. 4 (5): 200. Type locality: Russia: “Suchum, Transkaukasien” [= Sukhumi].

Distribution in Turkey: Bursa (Grichanov and Tonguç, 2010a).

**Genus *Tachytrechus* Haliday, 1851**

92. *Tachytrechus beckeri* Lichtwardt, 1917

*Tachytrechus beckeri* Lichtwardt, 1917: Arch. Naturgesch. (A)82(4): 155. Type locality: France: “Corsica”.

Distribution in Turkey: Muğla (Grichanov et al., 2007).

93. *Tachytrechus flavicornis* Naglis, 2011

*Tachytrechus flavicornis* Naglis, 2011: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 84: 23–33. Type locality: Turkey “Kars”.

Distribution in Turkey: Kars (Naglis, 2011).

94. *Tachytrechus genualis* Loew, 1857

*Tachytrechus genualis* Loew, 1857: Z. Ges. Naturw. 10(8): 102. Type locality: not given [Germany].

Distribution in Turkey: Sakarya, Zonguldak (Grichanov and Tonguç, 2010a).

95. *Tachytrechus insignis* (Stannius, 1831)

*Dolichopus insignis* Stannius, 1831: Isis 1831: 270. Type locality: Poland: “Breslau” [= Wrocław].

Distribution in Turkey: Erzurum, Kars (Grichanov et al., 2007).

96. *Tachytrechus kowarzi* Mik, 1864

*Tachytrechus kowarzi* Mik, 1864: Verh. Zool.-Bot. Ges. Wien 14: 795. Type locality: Hungary: “Miskolez, Oberungarn”.

Distribution in Turkey: Burdur (Grichanov et al., 2007).

97. *Tachytrechus notatus* (Stannius, 1831)

*Dolichopus notatus* Stannius, 1831. Isis 1831: 269. Type locality: Germany: “Hamburg”.

Distribution in Turkey: Aydın, Korucuk, Muğla (Loew, 1857 [“Kleinasien”]; Pârnu and Popescu-Mirceni, 2006; Grichanov, 2007b; Grichanov et al., 2007).

98. *Tachytrechus petraeus* Loew, 1871

*Tachytrechus petraeus* Loew, 1871: Besch. eur. Dipt. 2: 283. Type locality: “Turkistan”.

Distribution in Turkey: Konya (Grichanov and Tonguç, 2010a).

99. *Tachytrechus ripicola* Loew, 1857

*Tachytrechus ripicola* Loew, 1857: Programm K. Realschule Meseritz 1857: 14. Type locality: Italy.

Distribution in Turkey: Antalya (Grichanov et al., 2007).

- 100. *Tachytrechus tessellatus* (Macquart, 1842)**  
*Dolichopus tessellatus* Macquart, 1842: Mem. Soc. Sci. Agr. Arts Lille 1841(1): 185. Type locality: Senegal.  
*Tachytrechus salinarius* Becker, 1902: Mitt. zool. Mus. Berlin 2(2): 63. Type locality: Egypt.  
 Distribution in Turkey: Antalya (Parvu and Popescu-Mirceni, 2006 [as *Tachytrechus salinarius*]).
- 101. *Tachytrechus transitorius* Becker, 1917**  
*Tachytrechus transitorius* Becker, 1917: Nova Acta Acad. Caesar. Leop. Carol. 102 (2): 262. Type locality: France: "Chamonix".  
 Distribution in Turkey: Kars (Naglis, 2011).
- III. Subfamily Hydrophorinae**  
**Genus *Aphrosylus* Haliday, 1851**  
**102. *Aphrosylus parcearmatus* Parent, 1925**  
*Aphrosylus parcearmatus* Parent, 1925: Ann. Soc. Sci. Brux. (B)44: 116 and Bull. Soc. R. Ent. Egypte 1925: 180. Type locality: Egypt: "Abou-Kir".  
 Distribution in Turkey: Antalya, Aydın (Dilek National Park) (Grichanov, 2007b; Grichanov et al., 2007).
- Genus *Hydrophorus* Fallén, 1823**  
**103. *Hydrophorus balticus* (Meigen, 1824)**  
*Medetera baltica* Meigen, 1824: Syst. Besch. 4:66. Type locality: Germany: Hamburg.  
 Distribution in Turkey: Antalya, Aydın, Denizli, Isparta, Kars, Muğla, Rize (Negrobov, 1991; Grichanov, 2007b; Grichanov et al., 2007; Naglis, 2012).
- 104. *Hydrophorus callostomus* Loew, 1857**  
*Hydrophorus callostomus* Loew, 1857: Programme K. Realschule Meseritz 1857: 25. Type locality: Russia: Siberia.  
 Distribution in Turkey: Erzurum, Kars (Naglis, 2012).
- 105. *Hydrophorus praecox* (Lehmann, 1822)**  
*Dolichopus praecox* Lehmann, 1822: Indic. Scholar. Hamb.Gymn. Acad.: 42. Type locality: Germany: Hamburg.  
 Distribution in Turkey: Antalya, Bolu (Loew, 1857) ["Kleinasien", as *Hydrophorus inaequalipes*]; Olejníček, 2004; Parvu and Popescu-Mirceni, 2006; Grichanov et al., 2007).
- Genus *Liancalus* Loew, 1857**  
**106. *Liancalus virens* (Scopoli, 1763)**  
*Musca virens* Scopoli, 1763: Ent. Carniolica: 342. Type locality: [Slovenia:] "Carnioliae indigena".  
 Distribution in Turkey: Hakkari, Muğla (Loew, 1857 ["Kleinasien"]; Grichanov et al., 2007; Naglis, 2012).
- Genus *Orthoceratium* Schrank, 1803**  
**107. *Orthoceratium lacustre* (Scopoli, 1763)**  
*Musca lacustris* Scopoli, 1763: Ent. carnio.: 343. Type locality: [Slovenia:] "Carnioliae indigena".  
 Distribution in Turkey: Afyonkarahisar, Kütahya (Tonguç et al., 2013).
- Genus *Scellus* Loew, 1857**  
**108. *Scellus grichanovi* Naglis, 2012**  
*Scellus grichanovi* Naglis, 2012: Mitteilungen Der Schweizerischen Entomologischen Gesellschaft, 85: 45–49. Type locality: Turkey, Bolu.  
 Distribution in Turkey: Bolu (Naglis, 2012).
- 109. *Scellus notatus* (Fabricius, 1781)**  
*Musca notata* Fabricius, 1781: Spec. Ins. 2: 448. Type locality: England: "Angliae floribus".  
 Distribution in Turkey: Afyonkarahisar (Tonguç et al., 2013).
- 110. *Scellus paramonovi* Stackelberg, 1926**  
*Scellus paramonovi* Stackelberg, 1926. Russk. Ent. Obozr. 20(3–4): 68. Type locality: Armenia: "mons Alagez".  
 Distribution in Turkey: Erzurum, Rize (Naglis, 2012).
- Genus *Schoenophilus* Mik, 1878**  
*Remarks.* *Schoenophilus* was considered a subgenus of *Thinophilus* Wahlberg by Grichanov (2007b) and Grichanov et al. (2007), who followed Becker (1917) and Grootaert and Meuffels (1984).
- 111. *Schoenophilus versutus* Haliday, 1851**  
*Thinophilus versutus* Haliday, 1851: Ins. Brit. Dipt. 1: 192. Type locality: UK.  
 Distribution in Turkey: Antalya, Erzurum (Grichanov et al., 2007 [as *Thinophilus* (*Schoenophilus*) *versutus*]; Naglis, 2012).
- Genus *Thinophilus* Wahlberg, 1844**  
**112. *Thinophilus flavipalpis* (Zetterstedt, 1843)**  
*Rhaphium flavipalpe* Zetterstedt, 1843: Dipt. Scand. 2:472. Type locality: Sweden: Gottlandia, Bursviken.  
 Distribution in Turkey: Ankara (Naglis, 2012).
- 113. *Thinophilus indigenus* Becker, 1902**  
*Thinophilus indigenus* Becker, 1902: Mitt. Zool. Mus. Berl. 2(2): 48. Type locality: Egypt: "Kairo, Assiur, Luxor, Assuan, Fayüm, and Suez".  
 Distribution in Turkey: locality not given (Negrobov, 1991; Grichanov et al., 2007).
- IV. Subfamily Medeterinae**  
**Genus *Medetera* Fischer von Waldheim, 1819**  
**114. *Medetera diadema* (Linnaeus, 1767)**  
*Musca diadema* Linnaeus, 1767: Syst. Nat., Ed.12, 1(2): 982. Type locality: Europe.  
 Distribution in Turkey: İzmir (Yenifoça), Bujuk-Dere bei Constantinopel (Loew, 1857; Parvu and Popescu-Mirceni, 2006).
- 115. *Medetera flavichaeta* Naglis, 2013**  
*Medetera flavichaeta* Naglis, 2013: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 86: 165–173. Type locality: Turkey: Kars.  
 Distribution in Turkey: Kars (Naglis, 2013).
- 116. *Medetera flavipes* Meigen, 1824**  
*Medetera flavipes* Meigen, 1824: Syst. Besch. 4: 61. Type locality: not given.  
 Distribution in Turkey: Antalya-Side, Aydın, İzmir, Muğla, Adıyaman (Becker, 1917 ("Asia Minor"); Grichanov, 2007b; Grichanov et al., 2007; Naglis, 2013).



117. *Medetera glaucelloides* Naglis, 2013  
*Medetera glaucelloides* Naglis, 2013: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 86: 165–173. Type locality: Turkey: Hakkari.  
 Distribution in Turkey: Hakkari (Naglis, 2013).
118. *Medetera jacula* (Fallén, 1823)  
*Hydrophorus jaculus* Fallén, 1823. Monogr. Dolichopod. Svec.: 5. Type locality: Sweden: Scania.  
 Distribution in Turkey: Antalya (Grichanov, 2007a, 2007b).
119. *Medetera lamprostomoides* Negrobov, 1974  
*Medetera lamprostomoides* Negrobov, 1974: Flieg. Palaearkt. Reg. 4 (5): 313. Type locality: Russia: “Dorf Namskoe linkes Ufer des Flußes Lena, 90 km von Jakustk”.  
 Distribution in Turkey: Ağrı, Kars (Naglis, 2013).
120. *Medetera meridionalis* Negrobov, 1967  
*Medetera meridionalis* Negrobov, 1967: Ent. Obozr. 46(4): 903. Type locality: Russia: Voronezh, near Novokhopersk river.  
 Distribution in Turkey: Kars (Naglis, 2013).
121. *Medetera mixta* Negrobov, 1967  
*Medetera mixta* Negrobov, 1967: Dokl. Akad. Nauk. Arm. SSR 45 (6): 190. Type locality: Russia: Atai, Evpatoriya, Crimea.  
 Distribution in Turkey: Kars, Ağrı (Naglis, 2013).
122. *Medetera muralis* Meigen, 1824  
*Medetera muralis* Meigen, 1824: Syst. Besch. 4: 62. Type locality: Germany: Hamburg.  
 Distribution in Turkey: Antalya, Denizli (Grichanov et al., 2007; Grichanov, 2007b).
123. *Medetera olegi* Naglis, 2013  
*Medetera olegi* Naglis, 2013: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 86: 165–173. Type locality: Turkey: Hakkari.  
 Distribution in Turkey: Hakkari (Naglis, 2013).
124. *Medetera pallipes* (Zetterstedt, 1843)  
*Hydrophorus pallipes* Zetterstedt, 1843: Dipt. Scand. 2: 453. Type locality: Scania, “in Ostrog ad Wadstena; Botnia orientali ad Johannis Ro prope Torneå” [Sweden; Denmark].  
 Distribution in Turkey: Antalya, Hakkari, Kars (Tonguç et al., 2009; Naglis, 2013).
125. *Medetera perfida* Parent, 1932  
*Medetera perfida* Parent, 1932: Stettin. ent. Ztg. 93: 224. Type locality: Austria: Sölden, Ötztal.  
 Distribution in Turkey: Uşak (Tonguç et al., 2013).
126. *Medetera plumbella* Meigen, 1824  
*Medetera plumbella* Meigen, 1824: Syst. Besch. 4: 69. Type locality: Germany: Berlin.  
 Distribution in Turkey: Kars (Naglis, 2013).
127. *Medetera setiventris* Thuneberg, 1955  
*Medetera setiventris* Thuneberg, 1955: Ann. Ent. Fenn. 21: 142. Type locality: Finland: “Joutseno”.  
 Distribution in Turkey: Antalya (Grichanov et al., 2007).
128. *Medetera thunebergi* Negrobov, 1967  
*Medetera thunebergi* Negrobov, 1967: Ent. Obozr. 46(4): 893. Type locality: Russia: Leningrad region, Kartashevskaya.  
 Distribution in Turkey: Kars (Naglis, 2013).
129. *Medetera truncorum* Meigen, 1824  
*Medetera truncorum* Meigen, 1824: Syst. Besch. 4: 67. Type locality: Germany “Hamburg”.  
 Distribution in Turkey: Adıyaman, Gaziantep, Hatay, Isparta, Mersin, Muğla, Şanlıurfa (Olejníček, 2004; Grichanov, 2007b; Grichanov et al., 2007).
130. *Medetera verae* Negrobov, 1967  
*Medetera verae* Negrobov, 1967: Dokl. Akad. Nauk. Arm. SSR 45 (4): 190. Type locality: Armenia: Erevan.  
 Distribution in Turkey: Ağrı (Naglis, 2013).
- Genus *Thrypticus* Gerstaecker, 1864
131. *Thrypticus bellus* Loew, 1869  
*Thrypticus bellus* Loew, 1869: Besch. Eur. Dipt. 1: 303. Type locality: UK: “Kew”.  
 Distribution in Turkey: Erzurum, Kars, Muğla (Grichanov, 2007b; Grichanov et al., 2007; Naglis, 2013).
132. *Thrypticus intercedens* Negrobov, 1967  
*Thrypticus intercedens* Negrobov, 1967: Ent. Obozr. 46 (4): 906. Type locality: Russia: Borok, Jaroslavl’ region.  
 Distribution in Turkey: Hakkari (Naglis, 2013).
133. *Thrypticus viridis* Parent, 1932  
*Thrypticus viridis* Parent, 1932: Stettin. Ent. Ztg. 93: 224. Type locality: Germany: “Berlin, Grunewald”.  
 Distribution in Turkey: Antalya (Tonguç et al., 2009).
- Subfamily Neurigoninae  
 Genus *Neurigona* Rondani, 1856
134. *Neurigona abdominalis* (Fallén, 1823)  
*Dolichopus abdominalis* Fallén, 1823: Monogr. Dolich. Svec. (Dipt. Svec. 2): 21. Type locality: not given [Sweden].  
 Distribution in Turkey: Kütahya (Tonguç et al., 2013).
135. *Neurigona erichsoni* (Zetterstedt, 1843)  
*Dolichopus erichsoni* Zetterstedt, 1843: Dipt. Scand. 2: 613. Type locality: Sweden: “Scania, Lund, Slifákra, Röstänga, Lindholmen, Esperöd; Ostrogothia ad Gusum; Gottenvik, lonsberg; Gottlandia as Nähr, insula Furillen”.  
 Distribution in Turkey: Bursa, Çanakkale (Tonguç et al., 2010).
136. *Neurigona nubifera* (Loew, 1869)  
*Saucropus nubifer* Loew, 1869: Besch. Eur. Dipt. 1: 302. Type locality: Greece: “Griechenland”.  
 Distribution in Turkey: Edirne (Grichanov and Tonguç 2010).
- Subfamily Pelorocephalinae  
 Genus *Chrysotimus* Loew, 1857
137. *Chrysotimus molliculus* (Fallén, 1823)  
*Dolichopus molliculus* Fallén, 1823: Dipt. Svec. 2: 23. Type locality: not given.

- Distribution in Turkey: Kırklareli (Tonguç et al., 2010).  
**Genus *Micromorphus* Mik, 1878**  
 138. *Micromorphus albipes* (Zetterstedt, 1843)  
*Hydrophorus albipes* Zetterstedt, 1843: Dipt. Scand. 2: 454. Type locality: Sweden: Ostrogotha; Lärketorp.  
 Distribution in Turkey: Denizli (Korucuk), Antalya (Kızıldere), Muğla (Pârvu and Popescu-Mirceni 2006; Tonguç et al. 2009).  
**Genus *Peloropecodes* Wheeler, 1890**  
 139. *Peloropecodes acuticornis* (Oldenberg, 1916)  
*Anomalopyga acuticornis* Oldenberg, 1916: Ent. Mitt. 5(5/8): 187. Type locality: Romania: Herkulesbad, Ungarn [=Băile Herculane].  
 Distribution in Turkey: Kütahya (Tonguç et al., 2013).  
**Genus *Vetimicrotes* Dyte, 1980**  
 140. *Vetimicrotes mediterraneus* (Becker, 1918)  
*Microtes mediterraneus* Becker, 1918. Nova Acta Acad. Caesar. Leop. Carol. 104(2): 133. Type locality: Insel Brioni bei Pola und auf Korfu [Croatia; Greece].  
 Distribution in Turkey: İzmir (Pârvu and Popescu-Mirceni, 2006).
- VII. Subfamily Rhamphiinae**  
**Genus *Rhaphium* Meigen, 1803**  
 141. *Rhaphium albifrons* Zetterstedt, 1843  
*Rhaphium albifrons* Zetterstedt, 1843: Dipt. Scand. 2: 479. Type locality: Norway: "Scandinavia boreali-Norvegia Garnaes Vaerdaliae".  
 Distribution in Turkey: Kütahya (Tonguç et al., 2013).  
 142. *Rhaphium appendiculatum* Zetterstedt, 1849  
*Rhaphium appendiculatum* Zetterstedt, 1849: Dipt. Scand. 8: 3058. Type locality: Sweden "Scania ad Esperöd".  
*Xiphandrium macrocerum* Parent, 1925: Enc. ent., Ser. B, II, Dipt. 2: 42 (nec Meigen, 1824, nec Zetterstedt, 1843), misidentification.  
 Distribution in Turkey: Adıyaman, Denizli (Korucuk) (Olejníček, 2004 (as *Rhaphium macrocerum*); Pârvu and Popescu-Mirceni, 2006 (as *R. macrocerum*), Grichanov et al., 2007).  
 143. *Rhaphium brevicorne* Curtis, 1835  
*Rhaphium brevicorne* Curtis, 1835: Brit. Ent. 12: 568. Type locality: UK "Isle of Wight".  
 Distribution in Turkey: Antalya (Kızıldere) (Pârvu and Popescu-Mirceni, 2006).  
 144. *Rhaphium caliginosum* Meigen, 1824  
*Rhaphium caliginosum* Meigen, 1824: Syst. Besch. 4: 29. Type locality: not given.  
 Distribution in Turkey: Burdur, İzmir (Pârvu and Popescu-Mirceni, 2006; Grichanov et al., 2007).  
 145. *Rhaphium fascipes* (Meigen, 1824)  
*Porphyrops fascipes* Meigen, 1824: Syst. Besch. 4: 54. Type locality: Germany: "Hamburg".  
 Distribution in Turkey: locality not given (Negrobov, 1991).
146. *Rhaphium laticorne* (Fallén, 1823)  
*Hydrochus laticornis* Fallén, 1823: Monogr. Dolichop. Svec.: 6. Type locality: Sweden.  
 Distribution in Turkey: Denizli (Korucuk) (Negrobov, 1991; Pârvu and Popescu-Mirceni, 2006).  
 147. *Rhaphium micans* (Meigen, 1824)  
*Porphyrops micans* Meigen, 1824: Syst. Besch. 4: 52. Type locality: Germany: "Hamburg".  
 Distribution in Turkey: Muğla, Rize (Pârvu and Popescu-Mirceni, 2006; Grichanov et al., 2007).
- VIII. Subfamily Sciapodinae**  
**Genus *Amblypsilopus* Bigot, 1888**  
 148. *Amblypsilopus turcicus* Tonguç & Grootaert, 2013  
*Amblypsilopus turcicus* Tonguç & Grootaert, 2013: J. Entomol. Res. Soc., 15 (1): 91–95. Type locality: Turkey: Rize.  
 Distribution in Turkey: Rize (Tonguç and Grootaert, 2013).  
**Genus *Sciapus* Zeller, 1842**  
 149. *Sciapus aberrans* Becker, 1918  
*Sciapus aberrans* Becker, 1918: Nova Acta Acad. Leop. Carol. 104(2): 187. Type locality: Lebanon: Beirut.  
 Distribution in Turkey: Adana (Grichanov et al., 2007).  
 150. *Sciapus albifrons* (Meigen, 1830)  
*Psilopus albifrons* Meigen, 1830: Syst. Besch. 6: 360. Type locality: not given.  
 Distribution in Turkey: Aydın (Buharkent) (Popescu-Mirceni and Pârvu, 2009).  
*Remarks.* A record of *S. albifrons* by Popescu-Mirceni and Pârvu (2009) with a question mark needs confirmation.  
 151. *Sciapus flavicinctus* (Loew, 1857)  
*Psilopus flavicinctus* Loew, 1857: Programm K. Realschule Meseritz 1857: 4. Type locality: Turkey: "bei Constantinopel".  
 Distribution in Turkey: Adana (Grichanov et al., 2007).  
 152. *Sciapus heteropygus* Parent, 1926  
*Sciapus heteropygus* Parent, 1926: Encycl. Ent. (B II) Dipt. 3: 30. Type locality: France "Ardenne, Mézières".  
 Distribution in Turkey: Muğla (Pârvu and Popescu-Mirceni, 2006).  
 153. *Sciapus holoxanthos* Parent, 1926  
*Sciapus holoxanthos* Parent, 1926: Encycl. Ent. (B II) Dipt. 3: 32. Type locality: France "Hyères; Apt".  
 Distribution in Turkey: Muğla (Grichanov et al., 2007).  
 154. *Sciapus maurus* Parent, 1930  
*Sciapus maurus* Parent, 1930: Annls. Soc. Sci. Brux. (B) 50: 90. Type locality: Algeria "Jean Bart, d'Alger".  
 Distribution in Turkey: Antalya-Side (Grichanov, 2007b).
- IX. Subfamily Sympycninae**  
**Genus *Campsicnemus* Haliday, 1851**  
 155. *Campsicnemus armatus* (Zetterstedt, 1849)  
*Dolichopus armatus* Zetterstedt, 1849: Dipt. Scand. 8: 3093. Type locality: Denmark: Rosenthal, Gryphium.

- Distribution in Turkey: Kars (Naglis, 2009).
156. *Campsicnemus barbitibia* Stackelberg, 1947  
*Campsicnemus barbitibia* Stackelberg, 1947: Ent. Obozr. 29(1–2): 98, 101. Type locality: Tajikistan: Tavildara.  
 Distribution in Turkey: Uşak (Tonguç et al., 2013).
157. *Campsicnemus crinitarsis* Strobl, 1906  
*Campsicnemus crinitarsis* Strobl, 1906: Mem. Soc. esp. Hist. nat. 3: 324. Type locality: Spain: Malgrat.  
 Distribution in Turkey: Uşak (Tonguç et al., 2013).
158. *Campsicnemus curvipes* (Fallén, 1823)  
*Dolichopus curvipes* Fallén, 1823: Monogr. Dolich. Svec. 20. Type locality: not given.  
 Distribution in Turkey: Antalya, Bolu (Olejníček, 2004; Grichanov, 2007b; Grichanov et al., 2007).
159. *Campsicnemus filipes* Loew, 1859  
*Campsicnemus filipes* Loew, 1859: Progr. Realsch. Meseritz 1859: 12. Type locality: Austria: “bei Wien”.  
 Distribution in Turkey: Afyonkarahisar (Tonguç et al., 2013).
160. *Campsicnemus magius* (Loew, 1845)  
*Medeterus magius* Loew, 1845: Ent. Ztg. (Stettin) 6: 392. Type locality: Italy: Sicily.  
 Distribution in Turkey: Denizli (Korucuk) (Pârvu and Popescu-Mirceni, 2006).
161. *Campsicnemus picticornis* (Zetterstedt, 1843)  
*Dolichopus picticornis* Zetterstedt, 1843: Dipt. Scand. 2: 607. Type locality: Sweden: “Suecia meridionali at media, in Scania and Råften: Ostrogothia ad Lärketorp; Håradshammar; Holmiam”.  
 Distribution in Turkey: Hakkari (Naglis, 2009).
162. *Campsicnemus simplicissimus* Strobl, 1906  
*Campsicnemus simplicissimus* Strobl, 1906: Mem. Soc. esp. Hist. nat. 3: 323. Type locality: Spain: Algeciras.  
 Distribution in Turkey: Antalya, Konya (Beyşehir lake) (Grichanov et al., 2007; Naglis, 2009).
163. *Campsicnemus umbripennis* Loew, 1856  
*Campsicnemus umbripennis* Loew, 1856: Programm K. Realschule zu Meseritz, 1856: 46. Type locality: Austria.  
 Distribution in Turkey: Erzurum, Hakkari, Isparta, Kars, Muğla (Grichanov, 2007b; Grichanov et al., 2007; Naglis, 2009).
- Genus *Lamprochromus* Mik, 1878**
164. *Lamprochromus dalmaticus* Parent, 1927  
*Lamprochromus dalmaticus* Parent, 1927: Encycl. Ent. (B II) Dipt. 4: 45. Type locality: Yugoslavia: “Côte Dalmata, Raguse”.  
 Distribution in Turkey: Erzurum (Naglis, 2011).
165. *Lamprochromus speciosus* (Loew, 1871)  
*Sympycnus speciosus* Loew, 1871: Besch. eur. Dipt. 2: 299. Type locality: Tajikistan: Sarawschan Thal [=Zeravshan valley].  
 Distribution in Turkey: Muğla (Pârvu and Popescu-Mirceni, 2006).
166. *Lamprochromus strobli* Parent, 1925  
*Lamprochromus strobli* Parent, 1925: Encycl. Ent. (B II) Dipt. 1: 141. Type locality: not given.  
 Distribution in Turkey: Adiyaman (Naglis, 2009).
- Genus *Sympycnus* Loew, 1857**
167. *Sympycnus annulipes* (Meigen, 1824)  
*Porphyrops annulipes* Meigen, 1824: Syst. Besch. 4: 56. Type locality: Germany “Hamburg”.  
 Distribution in Turkey: Aydın, Erzurum, Kars, Muğla, Rize (Grichanov et al., 2007; Naglis, 2009).
168. *Sympycnus pulicarius* (Fallén, 1823)  
*Dolichopus pulicarius* Fallén, 1823. Monogr. Dolichopod. Svec.: 20. Type locality: not given [Sweden].  
 Distribution in Turkey: Aydın, Muğla, Van (Grichanov et al., 2007; Naglis, 2009).
- Remarks.* Both *Sympycnus pulicarius* and *S. annulipes* were reported from Turkey by Grichanov et al. (2007, as phenotypes of *S. pulicarius*) and by Naglis (2009, as different species). For further information see Tonguç et al. (2010).
169. *Sympycnus simplicipes* Becker, 1908  
*Sympycnus simplicipes* Becker, 1908: Mitt. zool. Mus. Berl. 4: 46. Type locality: Spain: Canary Is., Tenerife.  
 Distribution in Turkey: Afyonkarahisar, Kütahya, Uşak (Tonguç et al., 2013).
- Genus *Syntormon* Loew, 1857**
170. *Syntormon abbreviatus* Becker, 1918  
*Syntormon abbreviatus* Becker, 1918: Nova Acad. Caesar. Leop. Carol. 103(3): 272. Type locality: Bel-Mehtia, Aegn-Draham.  
 Distribution in Turkey: Adiyaman (Naglis, 2009).
171. *Syntormon aulicus* (Meigen, 1824)  
*Porphyrops aulica* Meigen, 1824: Syst. Besch. 4: 48. Type locality: not given.  
 Distribution in Turkey: Adiyaman, Burdur (Loew, 1857 [“Kleinasien”, as *Eutarsus aulicus*]; Grichanov et al., 2007; Naglis, 2009).
172. *Syntormon codinai* Parent, 1924  
*Syntormon codinai* Parent, 1924: Trab. Mus. Cienc. Nat. Barcelona 4(6): 9. Type locality: Morocco: “Tanger, Cabo Espartel”.  
 Distribution in Turkey: Adiyaman (Naglis, 2009).
173. *Syntormon denticulatus* Zetterstedt, 1843  
*Rhaphium denticulatum* Zetterstedt, 1843: Dipt. Scand. 2: 478. Type locality: Sweden: “Scania”.  
 Distribution in Turkey: Erzurum, Muğla, Van (Pârvu and Popescu-Mirceni, 2006; Grichanov et al., 2007; Naglis, 2009).
174. *Syntormon fuscipes* (Von Roser, 1840)  
*Porphyrops fuscipes* Von Roser, 1840: CorrespBl. Württ. Landw. Ver. Stuttg. (N.S.) 17 (1): 56. Type locality: not given [Germany: Württemberg].  
 Distribution in Turkey: Adiyaman (Olejníček, 2004; Grichanov et al., 2007 [locality not given]).

175. *Syntormon metathesis* (Loew, 1850)  
*Rhaphium metathesis* Loew, 1850. Stettin. Ent. Ztg. 11(4): 118. Type locality: Germany.  
 Distribution in Turkey: locality not given (Grichanov et al., 2007).
176. *Syntormon monilis* (Haliday, 1851)  
*Rhaphium monile* Haliday, 1851. Ins. Brit. Dipt. 1: 205.  
 Type locality: England; Ireland.  
 Distribution in Turkey: Kars (Naglis, 2009).
177. *Syntormon pallipes* (Fabricius, 1794)  
*Musca pallipes* Fabricius, 1794: Ent. Syst. 4: 340. Type locality: Germany.  
 Distribution in Turkey: Adıyaman, Ankara, Antalya, Burdur, Denizli, Hakkari, Isparta, Denizli (Korucuk), Muğla, Van (Pârvu and Popescu-Mirceni, 2006; Grichanov, 2007b; Grichanov et al., 2007; Naglis, 2009).
178. *Syntormon pumilus* (Meigen, 1824)  
*Porphyrops pumilum* Meigen, 1824: Syst. Besch. 4: 53.  
 Type locality: not given.  
 Distribution in Turkey: Erzurum, Kars, Denizli (Korucuk) (Pârvu and Popescu-Mirceni, 2006; Naglis, 2009).
179. *Syntormon subinermis* (Loew, 1869)  
*Synarthrus subinermis* Loew, 1869: Besch. Eur. Dipt. 1: 290. Type locality: Slovakia: "Losonez" [=Lučenec].  
 Distribution in Turkey: Adıyaman, Erzurum (Naglis, 2009).
180. *Syntormon zelleri* (Loew, 1850)  
*Rhaphium zelleri* Loew, 1850: Ent. Ztg. (Stettin) 11(4): 121. Type locality: Italy: "Scilien".  
 Distribution in Turkey: Afyonkarahisar, Uşak (Tonguç et al., 2013).
- Genus *Telmaturgus* Mik, 1874**
181. *Telmaturgus tumidulus* (Raddatz, 1873)  
*Sympycnus tumidulus* Raddatz, 1873: Stettin. Ent. Ztg. 34: 326. Type locality: Germany: "Mecklenburg".  
 Distribution in Turkey: Kars (Naglis, 2009).
- Genus *Teuchophorus* Loew, 1857**
182. *Teuchophorus bisetus* Loew, 1871  
*Teuchophorus bisetus* Loew, 1871: Besch. eur. Dipt. 2: 298. Type locality: Uzbekistan: "Serawschan Thal, Turkestan" (originally published as "Samarkand et vallis fluminis Zeraphshan" [=Zeravshan valley]).  
 Distribution in Turkey: Aydın (Tonguç et al., 2010).
183. *Teuchophorus chaetifemoratus* Pollet & Kechev, 2007  
*Teuchophorus chaetifemoratus* Pollet & Kechev, 2007: Zootaxa 1592: 47. Type locality: Bulgaria: Plovdiv province, Rhodopes Mountains, Markovo.  
 Distribution in Turkey: Kütahya, Uşak (Tonguç et al., 2013).
184. *Teuchophorus cristulatus* Meuffels & Grootaert, 1992  
*Teuchophorus cristulatus* Meuffels & Grootaert, 1992: Animalia 1990, 17: 131. Type locality: Italy: Sicily, prov. Trapani, Alkamo.  
 Distribution in Turkey: Muğla (Tonguç et al., 2010).
185. *Teuchophorus monacanthus* Loew, 1859  
*Teuchophorus monacanthus* Loew, 1859: Programm. K. Realschule Meseritz 1859: 21. Type locality: not given.  
 Distribution in Turkey: Antalya, Artvin, Muğla (Pârvu and Popescu-Mirceni, 2006; Grichanov et al., 2007).
186. *Teuchophorus quadrisetosus* Naglis, 2009  
*Teuchophorus quadrisetosus* Naglis, 2009: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 82: 173–180. Type locality: Turkey "Kars".  
 Distribution in Turkey: Kars (Naglis, 2009).
187. *Teuchophorus spinigerellus* (Zetterstedt, 1843)  
*Dolichopus spinigerellus* Zetterstedt, 1843. Dipt. Scand. 2: 604. Type locality: "Suecia meridionali et media, Scania ad Lund; Ostrogothia ad Wadstena, Dania" [Sweden, Denmark].  
 Distribution in Turkey: Adıyaman (Naglis, 2009).
- X. Subfamily Xanthochlorinae**
- Genus *Xanthochlorus* Loew, 1857**
188. *Xanthochlorus tenellus* (Wiedemann, 1817)  
*Dolichopus tenellus* Wiedemann, 1817: Zool. Mag. 1 (1): 75. Type locality: Denmark: Holstein.  
 Distribution in Turkey: Kütahya (Tonguç and Barlas, 2011).

#### 4. Discussion

The study of Dolichopodidae in the Turkish territory is spotty. Many provinces are undercollected, and sometimes their dolichopodid fauna is not known at all. As a result of our investigation, the fauna of the region comprises one subspecies and 187 species (including some doubtful records of females). Fifteen species [*Chrysotus albibarbus* Loew, 1857; *Diaphorus baechlii* Naglis, 2010; *Dolichopus zaitzevi* Grichanov, 2012; *Hercostomus costatus* (Loew, 1857); *H. phoebus* Parent, 1927; *Sybistroma occidasiatica* (Grichanov & Fazerani, 2014); *S. schachtii* Naglis, 2011; *Tachytrechus flavicornis* Naglis, 2011; *Scellus grichanovi* Naglis, 2012; *Medetera flavichaeta* Naglis, 2013; *M. glaucelloides* Naglis, 2013; *M. olegi* Naglis, 2013; *Amblypsilopus turcicus* Tonguç & Grootaert, 2013; *Sciapus flavicinctus* (Loew, 1857); and *Teuchophorus quadrisetosus* Naglis, 2009] and one subspecies (*Poecilobothrus varicoloris flavifemoratus* Grichanov & Tonguç, 2010) have their type locality within Turkey, and 13 of them are at present endemic species or subspecies.

It is estimated that the real number of species will probably exceed 250 when special expeditions covering a wider geographical area of the country are conducted. For

comparison, so far 220 species are known for the Russian Northwestern Caucasus (Grichanov, 2012b) and 265 from Romania (Pârvu, 2002). The authors of this paper have at least three undescribed species collected from Turkey.

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